

RDA 5 VOLT POWER SUPPLY (UD5PS4) FUSE REPLACEMENT

DOPPLER METEOROLOGICAL RADAR WSR-88D



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COMMERCE, THE AIR FORCE, THE NAVY, AND TRANSPORTATION

Data Code: 3118330
Issuance Number: EHB 6-98-05
Issuance Date: 27 MAY 1998
DoD/NWS Rescission Date: 15 JUNE 1999

NWS: WSR-88D Maintenance Note 19 (for Electronics Technicians)
DoD: TO 31P1-4-108-560

NWS APPROVAL:

_____ Date _____
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Chief, Engineering Division

DoD APPROVAL:

BY ORDER OF THE SECRETARY OF THE AIR FORCE

MICHAEL E. RYAN, General, USAF
Chief of Staff

_____ Date _____
Edward L. Berkowitz, Chief
System Support Branch
Operational Support Facility
TOMA

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1. SUBJECT

RDA 5V Power Supply (UD5PS4) fuse replacement.

2. PURPOSE

The purpose of this document is to notify site electronics technicians of the need to replace the existing UD5PS4 AC input fuse, currently rated at 125VAC-30A, with a properly rated fuse, 250VAC-15A.

For additional information concerning this maintenance note, contact the Operational Support Facility, System Support Branch, Norman, Oklahoma (405) 366-6540, ext 3229.

3. SITES AFFECTED

All WSR-88D Radar Data Acquisition (RDA) sites.

4. ESTIMATED COMPLETION DATE

Site technicians should complete this replacement during their next RDA visit for corrective or preventive maintenance.

5. EQUIPMENT AFFECTED

Radar Data Acquisition Group

6. SPARES AFFECTED

Current depot stock will be upgraded with properly rated fuse.

7. CORRECTION ACCOMPLISHED BY

Site electronics technicians.

8. MATERIAL REQUIRED

Fuse, slo-blo type, ceramic, rating 250 VAC - 15 Amp (NSN: 5920-00-177-2148)
(Redundant sites - one fuse per RDA channel.)

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9. SOURCE OF MATERIALS

The fuse is a common expendable item. However, if not stocked locally, it can be ordered through normal supply requisitioning procedures.

10. SPECIAL TOOLS AND TEST EQUIPMENT REQUIRED

None.

11. TIME AND PERSONNEL REQUIRED

One technician can complete this correction in less than 0.25 hours.

12. DOCUMENTS AFFECTED

NWS EHB 6-501, AF TO 31P1-4-108-4, FAA TI 6460.1 V2, NAVY EM 400-AB-IPB-010 dated 15 September 1997.

13. VERIFICATION STATEMENT

This correction was successfully tested at the OSF radar in Norman, OK.

14. DISPOSITION OF REMOVED AND REPLACED PARTS/MATERIAL

Discard the old fuse into a trash container.

15. PROCEDURES

WSR-88D technicians shall perform RDA Group Shutdown procedures as per NWS EHB 6-510, Table 6-5.2, Steps 1 through 5g and 16 through 21. Following the shutdown procedures, the technician shall remove the fuseholder and fuse from the rear of UD5PS4, discard the original fuse, install the new properly rated fuse into the fuseholder and replace fuse/fuseholder into the rear of the power supply. Finally, the technician shall return the system to normal operating conditions by performing all applicable steps of RDA Group Startup procedures as per NWS EHB 6-510, Table 6-5.3.

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16. REPORTING INSTRUCTIONS

a. NWS:

Report completed correction on WS Form A-26, Engineering Management Reporting System Maintenance Record, according to instructions in EHB-4, Part 2, using reporting code RDA. Also, record the maintenance note number in block 17(a) as "M19" (see attachment 2 for a completed sample of WS Form A-26).

b. DoD:

Update the AFTO Form 95 to show TCTO compliance. Report TCTO compliance in accordance with TO 00-20-2, Table 3-10, Rule 9.

c. All Agencies:

Complete attachment 1 and mail, fax or e-mail information to:

- (1) Mail Address: System Support Branch, Logistics Section
 Operational Support Facility
 3200 Marshall Ave Suite 101
 Norman, Oklahoma 73072-8028
- (2) Fax Number: (405) 366-6553
 ATTN: Logistics Section
- (3) E-mail Address: logistics@osf.noaa.gov